

## Annex 1

Appendix attached to Cabinet Resolution No. (10) of 2020

Concerning the UAE Control System for Solar Products

Schedule No. (1)

Approved Standard Specifications

Standard	Description
<b>PV MODULES</b>	
UAE.S GSO IEC 61215	Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval.
UAE.S GSO IEC 61730-1	Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction.
UAE.S GSO IEC 61730-2	Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing.
UAE.S GSO IEC 61701	Salt mist corrosion testing of Photovoltaic (PV) modules.
UAE.S GSO IEC 62716	Photovoltaic (PV) modules –Ammonia corrosion testing.
UAE.S GSO IEC 60068-2-68	Environmental testing – Part2-68: Test – Test L: Dust and sand.

UAE.S BS EN 12975-1	Thermal solar systems and components – solar collectors – part 1: General requirements.
UAE.S BS EN12976-1	Part 1: systems components – factory made Thermal solar systems and General requirements.
UAE.S ISO 9459-4	Part 4: System performance solar heating – Domestic water heating system – characterization by means of component test and computer simulation.
<b>INVERTERS</b>	
UAE.S GSO IEC 62109-1	Safety of power converters for use in photovoltaic power systems - Part 1: General Requirements.
UAE.S GSO IEC 62109-2	Safety of power convertors for use In photovoltaic power systems - Part 2: Particular Requirements for Inverters.
UAE.S GSO IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limit for harmonic current.
UAE.S GSO IEC 61000-3-12	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents

	produced by equipment connected to public low-voltage systems with input current > 16 A and < 75 A per phase.
UAE.S GSO IEC 61000-6—1	Electromagnetic Compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light - Industrial environments.
UAE.S GSO IEC 61000-6-2	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments.
UAE.S GSO IEC 61000-6-3	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light— industrial environments.
UAE.S GSO IEC 61000-6-4	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments.
<b>INTERFACE PROTECTION SYSTEM</b>	
UAE.S GSO IEC 60068-2-2	Environmental testing - Part 2-2: Tests - Test B: Dry heat.
UAE.S GSO IEC 61829	Crystalline silicon photovoltaic (PV) array - On-site measurement of I – V characteristics.

UAE.S GSO IEC 62446	Grid connected photovoltaic systems – Minimum requirements for system documentation, commissioning tests and inspection.
UAE.S EN 50618	Electric cables for photovoltaic systems.
UAE.S EN 50521	Connectors for photovoltaic systems.
UAE.S IEC 60332-1-2	Tests on electric and optical fiber cables under fire conditions.
CELLS AND BATTERIES	
UAE.S IEC 61427-1:2013	Secondary cells and batteries for renewable energy storage – General requirement and methods of test - Part 1: Photovoltaic off-grid application.
UAE.S IEC 61427-2:2015	Secondary cells and batteries for renewable energy storage – General requirements and methods of test - Part 2: On-grid applications

### Schedule No. (2)

#### International Standard Specifications

Standard	Description

UL 1741	Safety Testing of Inverters Includes Anti-islanding Requirement.
CEI 20-91	Fire retardant and halogen free electric cable with elastomeric insulation and sheath for use in photovoltaic system (PV).